



**Medical Waste Crushing (with shredder)  
Autoclave LD-LMWC-A11**

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# Medical Waste Crushing (with shredder) Autoclave LD-LMWC-A11

## Overview

Medical Waste Crushing Autoclave LD-LMWC-A11 is PLC + HMI controlled fully automated autoclave with cooling and drying function. All-in-one machine is composed of a main body, vacuum pump, boiler, a sealed door, a stirring mechanism, a crushing mechanism, a pipeline system and a control system. It is equipped with 2 automatic sliding doors with an effective sterilization temperature of 138 °C. The sterilization equipment and shredder are enclosed in one sealed vessel. The system has the control and protection functions for temperature, pressure, liquid level, time and other system operation parameters. The seal of the door is maintained in the sealed state in the event of a power failure or other failure. Machine is designed such that operator will have zero contact with medical waste and no bad smell.

## Features:

- 7-inch colour touch screen to monitor working status and parameters
- Provided with Preset cycles, User-defined cycles, Test cycles
- Internal chamber made up of AISI 316L stainless steel
- Sterilization temperature and time can be adjusted according to actual requirements
- Crusher shell adopts a split assembly structure, which is convenient for maintenance
- Double axle crushing system to shred all medical waste including, fabric, rubber, plastic, paper, glass, and small pieces of metal
- It integrates crushing and high temperature sterilization, first crushing and then sterilizing
- This autoclave adopts built-in boiler to produce steam as sterilization medium, automatic water supply and water level protecting system
- Cylinder lock protection after closing of door to ensure safety of operation
- The system is equipped with quick reverse response function in the operation stage of crushing function, which greatly improves the operation safety
- Ensures rigorous sterilizing, crushing and drying in 90 minutes

## Applications:

Waste Autoclave with Shredder has a wide array of applications and industries, hospitals and high-volume commercial processing plants suitable for shredding solid material such as human or animal tissue, used bandages and dressings, discarded gloves, used needles, scalpels, lancets, test tubes, blood bags.

## Specifications:

<b>Timer</b>	0-9999 min
<b>Weight</b>	2500 kg
<b>Printer</b>	Built in
<b>Trolley</b>	Yes
<b>Boiler power</b>	36 KW

<b>Chamber Size</b>	1100 x 700 x 700 mm
<b>Overall Size</b>	1660 x 1450 x 2170 mm
<b>Power Supply</b>	220 V 50 Hz
<b>Vacuum rate</b>	-0.09 Mpa
<b>Chamber Volume</b>	500 L
<b>Design pressure</b>	0.3 Mpa
<b>Feeding Room Size</b>	800 x 700 x 700 mm
<b>Design temperature</b>	150 ?
<b>Working temperature</b>	134-138 ?
<b>Sterilization capacity</b>	500 kg/h
<b>Temperature tolerance</b>	?±1.0 ?
<b>Microbial inactivation</b>	?99.99999%